

DEPARTMENT OF THE ARMY
Omaha District, Corps of Engineers
106 South 15th Street
Omaha, Nebraska 68102-1618

:NOTICE: Failure to acknowledge : Solicitation No. W9128F-04-B-0008
:all amendments may cause rejec- :
:tion of the bid. See FAR : Date of Issue: 09 Feb 2004
:52.214-3 of Section 00100 : Date of Opening: 28 Apr 2004

Amendment No. 0004
13 April 2004

SUBJECT: Amendment No. 0004 to Specifications and Drawings for Construction of
Perry Creek Flood Protection, Phase 4, Sioux City, IA
Solicitation No. W9128F-04-B-0008.

TO: Prospective Bidders and Others Concerned

1. The specifications and drawings for subject project are hereby modified as follows (revise all specification indices, attachment lists, and drawing indices accordingly).

a. Specifications (New and/or Revised and Reissued). Delete and substitute or add specification pages as noted below. The substituted pages are revised and reissued with this amendment.

Pages Deleted

00010-3 THRU 00010-5

Pages Substituted or Added

00010-3 THRU 00010-6

SECTION 01550 MEASUREMENT AND PAYMENT

SECTION 01550 MEASUREMENT AND PAYMENT

b. Drawings (Reissued). The following drawing sheets are revised with latest revision date of 13 April 2004, and reissued with this amendment.

(1) Sheet GD-3

c. Drawings (New). The following new drawing sheet dated 13 April 2004 is hereby added to the contract drawings and is issued with this amendment.

(1) Sheet C5.01

2. This amendment is a part of the bidding papers and its receipt shall be acknowledged on the Standard Form 1442. All other conditions and requirements of the specifications remain unchanged. If the bids have been mailed prior to receiving this amendment, you will notify the office where bids are opened, in the specified manner, immediately of its receipt and of any changes in your bid occasioned thereby.

a. Hand-Carried Bids shall be delivered to the U.S. Army Corps of Engineers, Omaha District, Contracting Division (Room 301), 106 South 15th Street, Omaha, Nebraska 68102-1618.

b. Mailed Bids shall be addressed as noted in Item 8 on Page 00010-1

of Standard Form 1442.

3. Bids will be received until 2:00 p.m., local time at place of bid opening, 28 Apr 2004.

Attachments:

Spec Pages listed in 1.a. above

Dwgs. listed in 1.b. & 1.c above

U.S. Army Engineer District, Omaha
Corps of Engineers
106 South 15th Street
Omaha, Nebraska 68102-1618

13 Apr 2004

MFS/4411

BIDDING SCHEDULE (With Option)**Basic**

<u>Item No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Amount</u>
1.	Stone for Riprap (Riprap Type A)	35,920	Tons	\$ _____	\$ _____
2.	Stone for Riprap (Riprap Type B)	13,370	Tons	\$ _____	\$ _____
3.	Stone for Riprap (Riprap Type C)	6,110	Tons	\$ _____	\$ _____
4.	Stone for Riprap (Riprap Type D)	1,420	Tons	\$ _____	\$ _____
5.	Spalls	8,160	Tons	\$ _____	\$ _____
6.	Bedding for Riprap Type A	24,450	Tons	\$ _____	\$ _____
7.	Bedding for Riprap Type B, C & D	8,680	Tons	\$ _____	\$ _____
8.	6" Granular Surfacing	360	Tons	\$ _____	\$ _____
9.	Excavation	544,900	C.Y.	\$ _____	\$ _____
10.	Compacted Random Backfill	205,400	C.Y.	\$ _____	\$ _____
11.	Entire Work Complete, for Deformation Surveys/ Monitoring (Specification Section 02011)	Job	L.S.	XXXXXXXXX	\$ _____
12.	Entire Work Complete, for Gateway & Stilling Basin	Job	L.S.	XXXXXXXXX	\$ _____
13.	Entire Work Complete, for Hamilton Blvd. Left Bank Retaining Wall	Job	L.S.	XXXXXXXXX	\$ _____
14.	Entire Work Complete, for Hamilton Blvd. Right Bank Retaining Wall	Job	L.S.	XXXXXXXXX	\$ _____
15.	Entire Work Complete, for Retaining Wall at Market Place Mall	Job	L.S.	XXXXXXXXX	\$ _____
16.	Entire Work Complete, for Clifton Ave. Box Culvert	Job	L.S.	XXXXXXXXX	\$ _____
17.	Entire Work Complete, for Storm Drains (Shts. C7.01 - C7.08 Profile Lines 1-45, & 48 and Shts. C7.09 & C7.10 Profiles P-001 thru P-006, P-011, P-012, P-016A, & P-017A)	Job	L.S.	XXXXXXXXX	\$ _____

BIDDING SCHEDULE (With Option) -Cont'd

Basic (Cont'd)

Item No.	Description	Quantity	Unit	Unit Price	Amount
18.	Entire Work Complete, for Storm Sewers (Shts. C7.09 & C7.10 Profiles P-007 thru P-010, P-013, P-016, & P-017)	Job	L.S.	XXXXXXXX	\$ _____
19.	Entire Work Complete, for Portland Cement Concrete Pavement	Job	L.S.	XXXXXXXX	\$ _____
20.	Entire Work Complete, for Traffic Signs and Pavement Markings	Job	L.S.	XXXXXXXX	\$ _____
21.	Entire Work Complete, for Sidewalks and Aprons	Job	L.S.	XXXXXXXX	\$ _____
22.	All Remaining Work, Excluding Option Bid Items Listed Below	Job	L.S.	XXXXXXXX	\$ _____

BASIC TOTAL AMOUNT (Items 1 thru 22) \$ _____
(in figures)

Option

Item No.	Description	Quantity	Unit	Unit Price	Amount
OPTION – Construction of the channel from the limits shown on Drawing Sheets G-15 and GP-3					
O-1.	Stone for Riprap (Riprap Type A)	1,300	Tons	\$ _____	\$ _____
O-2.	Stone for Riprap (Riprap Type C)	2,680	Tons	\$ _____	\$ _____
O-3.	Stone for Riprap (Riprap Type D)	1,870	Tons	\$ _____	\$ _____
O-4.	Spalls	2,210	Tons	\$ _____	\$ _____
O-5.	Bedding for Riprap Type A	890	Tons	\$ _____	\$ _____
O-6.	Bedding for Riprap Type C & D	2,380	Tons	\$ _____	\$ _____
O-7.	Excavation	40,800	C.Y.	\$ _____	\$ _____
O-8.	Compacted Random Backfill	4,600	C.Y.	\$ _____	\$ _____
O-9.	Entire Work Complete, for Retaining Wall at Bowling Alley	Job	L.S.	XXXXXXXX	\$ _____

BIDDING SCHEDULE (With Option) –Cont'd

Option (Cont'd)

Item No.	Description	Quantity	Unit	Unit Price	Amount
O-10.	Entire Work Complete, for Deformation Surveys/ Monitoring (Specification Section 02011)	Job	L.S.	XXXXXXXX	\$ _____
O-11.	Entire Work Complete, for Storm Drains (Shts. C7.07 & C7.08 Profile Lines 45-47, & 49 and Sht. C7.11 Profiles P-027 thru P-029)	Job	L.S.	XXXXXXXX	\$ _____
O-12.	Entire Work Complete, for Storm Sewers (Sht. C7.11 Profiles P-018 thru P-026)	Job	L.S.	XXXXXXXX	\$ _____
O-13.	Entire Work Complete, for Portland Cement Concrete Pavement	Job	L.S.	XXXXXXXX	\$ _____
O-14.	Entire Work Complete, for Traffic Signs and Pavement Markings	Job	L.S.	XXXXXXXX	\$ _____
O-15.	Entire Work Complete, for Sidewalks and Aprons	Job	L.S.	XXXXXXXX	\$ _____
O-16.	All Remaining Work, for Contract Option Construction Based on Limits Indicated	Job	L.S.	XXXXXXXX	\$ _____

Option Total (Items O-1 thru O-16) \$ _____

TOTAL (BASIC + OPTION) \$ _____
(in figures)

Notes for Bidding Schedule:

1. See SECTION 00100 - INSTRUCTIONS, CONDITIONS, & NOTICES TO BIDDERS for evaluation of options. The Government reserves the right to exercise the option within 6 months after issuance of Notice to Proceed. *Note: Work described in the Option Bidding Items involves constructing the new Perry Creek channel from the limits shown on Sheets G-15 and GP-3. This includes construction of the Bowling Alley Retaining Wall in the option. The Option consists of items O-1 through O-16. If the option is awarded it will be awarded as a whole, consisting of items O-1 through O-16.*
2. Bid prices must be entered for all items of the schedule. Total amount offers submitted without prices being entered on individual items will be rejected. In case of variation between the lump-sum prices and the

total amount, the lump-sum prices will be considered the bid. In case of variation between the unit prices and the extensions, the unit prices will be considered the bid. Additions will be subject to verification by the Government.

3. Quantities for unit priced items are estimated only and the respective unit price will prevail in the event of an overrun or underrun subject to Contract Requirements Clause "Variation in Estimated Quantities."

4. A modification to a bid that provides for a single adjustment to the total amount bid should state the application of the adjustment to each respective price affected. If the modification is not so apportioned, the single adjustment will be applied to Basic Bid Item No. 22.

5. The category "All Remaining Work" shall include any activities not listed as pay items, such as Contractor staging, site preparation, concrete form work, etc.

6. See Section 01550 Measurement and Payment for additional information on the bid items.

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SECTION 01550

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- 2.1 Work Included
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PART 8 6" GRANULAR SURFACING

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SECTION 01550

MEASUREMENT AND PAYMENT
6/2000SCOPE

This section covers the methods and procedures that will be used to measure the Contractor's work and to effect payment.

GENERAL

The general outline of the principal features of each item as listed does not in any way limit the responsibility of the Contractor for making a thorough investigation of the drawings and specifications to determine the scope of work under the entire contract. Payment to the Contractor is based on the quantities of work as measured in accordance with the specified methods of measurement and the prices stipulated in the accepted proposal and shall constitute complete compensation for all work shown on the drawings, provided in the specifications or other contract documents and all costs of accepting the general risks, liabilities and obligations expressed or implied. Payment under all items shall include, but not necessarily be limited to, compensation for furnishing all supervision, labor, equipment, and materials and services (including overhead and profit), as well as performing all work required to accomplish and complete the work specified under each item and all other work required.

LUMP SUM ITEMS

The quantities under lump sum items will not be measured except for the purpose of determining reasonable interim payments. Interim payments will be made in accordance with the estimated value of work done as determined by the Contracting Officer or as specified in this section, and in accordance with the contract clause for payments.

BASIC

Work described for the Basic Bid Items involves constructing the new Perry Creek channel and appurtenant work as indicated in the specifications and shown on the drawings, excluding the Option Bid Items given below. Basic consists of bid items 1 through 22. If the option is awarded it will be awarded as a whole, consisting of bid items O-1 through O-16.

PART 1 STONE FOR RIPRAP (RIPRAP TYPE A)

1.1 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing riprap as required by the drawings and specifications. Placement of compacted random backfill to construct the channel bottom above each riprap toe is considered to be

incidental to the placement of the riprap.

1.2 Measurement

Per Ton. Riprap material will be measured for payment by the number of tons satisfactorily placed as specified. The riprap material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) riprap material may be weighed on Contractor-furnished scales under the supervision of the Government Inspector. Each printed weigh bill shall contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All riprap material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest hundredth of a ton.

1.3 Payment

Payment for "Stone for Riprap (Riprap Type A)" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 2 STONE FOR RIPRAP (RIPRAP TYPE B)

2.1 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing riprap as required by the drawings and specifications. Placement of compacted random backfill to construct the channel bottom above each riprap toe is considered to be incidental to the placement of the riprap.

2.2 Measurement

Per Ton. Riprap material will be measured for payment by the number of tons satisfactorily placed as specified. The riprap material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) riprap material may be weighed on Contractor-furnished scales under the supervision of the Government Inspector. Each printed weigh bill shall contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All riprap material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest hundredth of a ton.

2.3 Payment

Payment for "Stone for Riprap (Riprap Type B)" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 3 STONE FOR RIPRAP (RIPRAP TYPE C)

3.1 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing riprap as required by the drawings and specifications. Placement of compacted random backfill to construct the channel bottom above each riprap toe is considered to be incidental to the placement of the riprap.

3.2 Measurement

Per Ton. Riprap material will be measured for payment by the number of tons satisfactorily placed as specified. The riprap material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) riprap material may be weighed on Contractor-furnished scales under the supervision of the Government Inspector. Each printed weigh bill shall contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All riprap material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest hundredth of a ton.

3.3 Payment

Payment for "Stone for Riprap (Riprap Type C)" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 4 STONE FOR RIPRAP (RIPRAP TYPE D)

4.1 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing riprap as required by the drawings and specifications. Placement of compacted random backfill to construct the channel bottom above each riprap toe is considered to be incidental to the placement of the riprap.

4.2 Measurement

Per Ton. Riprap material will be measured for payment by the number of tons satisfactorily placed as specified. The riprap material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) riprap material may be weighed on Contractor-furnished scales under the supervision of the Government Inspector. Each printed weigh bill shall contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All riprap material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest

hundredth of a ton.

4.3 Payment

Payment for "Stone for Riprap (Riprap Type D)" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 5 SPALLS

5.1 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing spalls as required by the drawings and specifications.

5.2 Measurement

Per Ton. Spalls material will be measured for payment by the number of tons satisfactorily placed as specified. The spalls material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) spalls material may be weighed on Contractor-furnished scales under the supervision of the Government Inspector. Each printed weigh bill shall contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All spalls material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest hundredth of a ton.

5.3 Payment

Payment for "Spalls" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 6 BEDDING FOR RIPRAP TYPE A

6.1 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing bedding material as required by the drawings and specifications.

6.2 Measurement

Per Ton. Bedding material will be measured for payment by the number of tons satisfactorily placed as specified. The bedding material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) bedding material may be weighed on Contractor-furnished scales under the

supervision of the Government Inspector. Each printed weigh bill shall contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All bedding material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest hundredth of a ton.

6.3 Payment

Payment for "Bedding for Riprap Type A" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 7 BEDDING FOR RIPRAP TYPE B, C & D

7.1 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing bedding material as required by the drawings and specifications.

7.2 Measurement

Per Ton. Bedding material will be measured for payment by the number of tons satisfactorily placed as specified. The bedding material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) bedding material may be weighed on Contractor-furnished scales under the supervision of the Government Inspector. Each printed weigh bill shall contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All bedding material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest hundredth of a ton.

7.3 Payment

Payment for "Bedding for Riprap Type B, C & D" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 8 6" GRANULAR SURFACING

8.1 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing 6" granular surfacing material as required by the drawings and specifications.

8.2 Measurement

Per Ton. Granular surfacing material will be measured for payment by the number of tons satisfactorily placed as specified. The granular surfacing

material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) granular surfacing material may be weighed on Contractor-furnished scales under the supervision of the Government Inspector. Each printed weigh bill shall contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All granular surfacing material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest hundredth of a ton.

8.3 Payment

Payment for "6-in. Granular Surfacing" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 9 EXCAVATION

9.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment, and labor necessary to complete excavation for the new Perry Creek channel as indicated in the specifications and shown on the drawings. Excavation includes the loading and hauling of the excavated materials to construction, stockpile, and disposal areas. The disposal of unsatisfactory material and surplus excavated material is considered incidental to the excavation work. Other excavation areas are not included in this bid item. Excavation beyond the grading limits shown for the channel construction for construction of the Hamilton Blvd. right and left bank retaining walls and retaining wall at the Market Place Mall shall be incidental to those structures and paid for under item "Entire Work Complete" for those structures. Excavation beyond the grading limits shown for the channel construction for construction of the gatewell & stilling basin, Clifton Ave. box culvert, and storm drain & sewer structures shall be incidental to those structures and paid for under item "Entire Work Complete" for those structures. Excavation for placement of portland cement concrete pavement and for sidewalk & apron construction shall be paid for under the applicable "Entire Work Complete" item. Excavation for demolition work shall be paid for under item "All Remaining Work, Excluding Option Bid Items Listed Below".

9.2 Measurement

Per Cubic Yard. Measured for payment using the average end area method from surveys taken. Initial surveys will be made of excavation areas. Measurement of excavation will include the total volume of material computed by the average end area method between the surfaces established by initial survey of the ground surface prior to authorized excavation operations, and the surfaces of completed excavation as approved. The measurement will not include without authorization the yardage of material excavated beyond the normal slopes and lines or the yardage of material used for purposes other than those shown or directed. The measurement of excavation will not include excavation of water or other liquid, but will include excavation of mud, muck, or similar semisolid material that had not been disturbed by the Contractor and cannot be drained away. The

measurement of excavation will also include overbreakage due to slides that were not caused by the carelessness of the Contractor, and authorized excavation of unsuitable foundation soils.

9.3 Payment

Payment for "Excavation" shall be based on the unit price per cubic yard as indicated on the Bidding Schedule, times the number of cubic yards of excavated material.

PART 10 COMPACTED RANDOM BACKFILL

10.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment, and labor necessary to complete compacted random backfill areas for the new Perry Creek channel as indicated in the specifications and shown on the drawings. Compacted random backfill includes hauling from stockpile locations, spreading, compaction, water for compaction, and all other necessary operations to shape and build the compacted random backfill areas as shown on the drawings and specified. Other compacted random backfill areas are not included in this bid item. Placement of compacted random backfill beyond the grading limits shown for the channel construction for construction of the Hamilton Blvd. right and left bank retaining walls and retaining wall at the Market Place Mall shall be incidental to those structures and paid for under item "Entire Work Complete" for those structures. Placement of compacted random backfill beyond the grading limits shown for the channel construction for construction of the gatewell & stilling basin, Clifton Ave. box culvert, and storm drain & sewer structures shall be incidental to those structures and paid for under item "Entire Work Complete" for those structures. Placement of compacted random backfill for portland cement concrete pavement construction and for sidewalk & apron construction shall be paid for under the applicable "Entire Work Complete" item. Compacted random backfill for demolition work shall be paid for under item "All Remaining Work, Excluding Option Bid Items Listed Below."

10.2 Measurement

Per Cubic Yard. Measured for payment using the average end area method from surveys taken. Initial surveys will be made of all compacted random backfill areas. Measurement of compacted random backfill will include the total volume of material computed by the average end area method between the surfaces established by initial survey of the ground surface prior to compacted random backfill placement and again after compacted random backfill operations are completed to the finished lines and grades as shown on the drawings. The measurement will not include the yardage of material placed without authorization beyond the normal slopes and lines or the yardage of material used for purposes other than those shown or directed.

10.3 Payment

Payment for "Compacted Random Backfill" shall be based on the unit price per cubic yard as indicated on the Bidding Schedule, times the number of cubic yards placed.

PART 11 ENTIRE WORK COMPLETE, FOR DEFORMATION SURVEYS/MONITORING (SPECIFICATION SECTION 02011)

11.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to complete the required deformation surveys and monitoring as indicated in Section 02011 of the specifications.

11.2 Measurement

Lump sum.

11.3 Payment

Payment for "Entire Work Complete, for Deformation Surveys/Monitoring" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 12 ENTIRE WORK COMPLETE, FOR GATEWELL & STILLING BASIN

12.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to construct the gatewell and stilling basin, including all incidental and customarily performed work necessary for formwork, placing, and curing concrete, and placing rebar. This work item also includes flap gate installation, fabricated metals and appurtenant parts, control of water, subgrade preparation, placement and compaction of granular backfill, and construction for connection to existing storm drain pipe, as indicated in the specifications and shown on the drawings. Excavation and backfill beyond the channel grading limits shown on the drawings for construction of the gatewell & stilling basin shall be incidental to construction of the gatewell & stilling basin and paid for under this bid item. The work does not include furnishing and installing riprap, spalls, and bedding. Costs for these items shall be included in the applicable price per ton of bid items Nos. 3, 5, and 7.

12.2 Measurement

Lump sum.

12.3 Payment

Payment for "Entire Work Complete, for Gatewell & Stilling Basin" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 13 ENTIRE WORK COMPLETE, FOR HAMILTON BLVD.
LEFT BANK RETAINING WALL

13.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to construct the Hamilton Blvd. Left Bank Retaining Wall as indicated in the specifications and shown on the drawings.

13.2 Measurement

Lump sum.

13.3 Payment

Payment for "Entire Work Complete, for Hamilton Blvd. Left Bank Retaining Wall" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 14 ENTIRE WORK COMPLETE, FOR HAMILTON BLVD. RIGHT BANK RETAINING WALL

14.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to construct the Hamilton Blvd. Right Bank Retaining Wall as indicated in the specifications and shown on the drawings.

14.2 Measurement

Lump sum.

14.3 Payment

Payment for "Entire Work Complete, for Hamilton Blvd. Right Bank Retaining Wall" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 15 ENTIRE WORK COMPLETE, FOR RETAINING WALL AT MARKET PLACE MALL

15.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to construct the Retaining Wall at the Market Place Mall as indicated in the specifications and shown on the drawings.

15.2 Measurement

Lump sum.

15.3 Payment

Payment for "Entire Work Complete, for Retaining Wall at Market Place Mall" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 16 ENTIRE WORK COMPLETE, FOR CLIFTON AVE. BOX CULVERT

16.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to construct the Clifton Ave. box culvert, including all incidental and customarily performed work necessary for formwork, placing, and curing concrete, and placing rebar. The work for this item also includes subgrade preparation, placement and compaction of granular backfill, subdrain construction, water main construction, and sanitary sewer construction, as indicated in the specifications and shown on the drawings. Excavation and backfill beyond that required for the new Perry Creek channel as shown on the drawings for construction of the box

culvert shall be incidental to construction of the box culvert and paid for under this bid item. The work for this item does not include curb inlet or pavement construction at the box culvert. Costs for these items shall be included in bid items Nos. 17, 18, and 19. The work for this item also does not include furnishing and installing riprap and bedding. Costs for these items shall be included in the applicable price per ton of bid items Nos. 1 and 6.

16.2 Measurement

Lump sum.

16.3 Payment

Payment for "Entire Work Complete, for Clifton Ave. Box Culvert" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 17 ENTIRE WORK COMPLETE, FOR STORM DRAINS

(SHTS. C7.01-C7.08 PROFILE LINES 1-45, & 48 AND SHTS. C7.09 & C7.10 PROFILES P-001 THRU P-006, P-011, P-012, P-016A & P-017A)

17.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to construct the storm drainage pipes and outlet structures, flap gates, timber piling, fabricated metals and appurtenant parts, control of water, removals, hydrostatic testing, joint testing, and incidental operation necessary to construct the complete drainage structure units according to the specifications and drawings (Shts. C7.01-C7.08 Profile Lines 1-45, & 48 and Shts. C7.09 & C7.10 Profiles P-001 thru P-006, P-011, P-012, P-016A, & P-017A). The work for this item does not include furnishing and installing riprap, spalls, and bedding. Costs for these items shall be included in the applicable price per ton of bid items Nos. 1 thru 7. The work for this item also does not include storm drainage pipe that are, in general, located outside the new Perry Creek channel limits. Costs for furnishing and installing pipe, area inlets or curb inlets, etc. located outside of the new Perry Creek channel limits shall be included in the lump sum price of bid item No. 18, "Entire Work Complete, for Storm Sewers." Excavation and backfill beyond that required for the new Perry Creek channel as shown on the drawings for construction of the storm drains shall be incidental to construction of the storm drains and paid for under this bid item.

17.2 Measurement

Lump sum.

17.3 Payment

Payment for "Entire Work Complete, for Storm Drains" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 18 ENTIRE WORK COMPLETE, FOR STORM SEWERS

(SHTS. C7.09 & C7.10 PROFILES P-007 THRU P-010, P-013, P-016, P-017)

18.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to construct the storm sewers as indicated in the specifications and shown on the drawings (Shts. C7.09 & C7.10 Profiles P-007 thru P-010, P-013, P-016 P-017). Costs for furnishing and installation of storm drainage pipes, flap gates, timber piling, etc., which are generally located inside the new Perry Creek channel limits, shall be included in the lump sum price of bid item No. 17, "Entire Work Complete, for Storm Drains."

18.2 Measurement

Lump sum.

18.3 Payment

Payment for "Entire Work Complete, for Storm Sewers" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 19 ENTIRE WORK COMPLETE, FOR PORTLAND CEMENT CONCRETE PAVEMENT

19.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to construct portland cement concrete pavement, including all incidental and customarily performed work necessary for formwork, placing, and curing concrete pavement, as indicated in the specifications and shown on the drawings. The work for this item includes subgrade preparation for the portland cement concrete pavement. The work for this item does not include furnishing and installing area inlets and curb inlets. Costs for these items shall be included in the lump sum price of bid items Nos. 17 and 18.

19.2 Measurement

Lump sum.

19.3 Payment

Payment for "Entire Work Complete, for Portland Cement Concrete Pavement" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 20 ENTIRE WORK COMPLETE, FOR TRAFFIC SIGNS AND PAVEMENT MARKINGS

20.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to install permanent traffic signs and pavement markings, as indicated in the specifications and shown on the drawings.

20.2 Measurement

Lump sum.

20.3 Payment

Payment for "Entire Work Complete, for Traffic Signs and Pavement Markings" shall be lump sum bid, on a progressive basis, based on the percentage of

work completed.

PART 21 ENTIRE WORK COMPLETE, FOR SIDEWALKS AND APRONS

21.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary for construction of sidewalks and aprons, including all incidental and customarily performed work necessary for providing proper surface water drainage at sidewalks and aprons and all incidental and customarily performed work necessary for formwork, placing, and curing concrete, as indicated in the specifications and shown on the drawings.

21.2 Measurement

Lump sum.

21.3 Payment

Payment for "Entire Work Complete, for Sidewalks and Aprons" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 22 ALL REMAINING WORK, EXCLUDING OPTION BID ITEMS LISTED BELOW

22.1 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor needed to complete all remaining work not covered under bid items No. 1 thru No. 21. All remaining work shall include specified work related to clearing & grubbing, removal of pavement and sidewalks, demolition of building foundations and bridges, removal of abandoned utilities, care of water, dewatering of subsurface soils to allow for and to maintain the integrity of the excavation, stripping and stockpiling topsoil, topsoil placement, seeding & mulching, compacted embankment, installation of turf reinforcement mat, planting trees and shrubs, disposal of clearing & grubbing and demolition materials, traffic control, construction of segmental concrete block gravity retaining walls, fencing, and any other work indicated in the specifications or shown on the drawings not included on the Bidding Schedule in bid items No. 1 thru No. 21.

22.2 Measurement

Lump sum.

22.3 Payment

Payment for "All Remaining Work, Excluding Option Bid Items Listed Below" shall be the lump sum of the amount indicated for bid item No. 22 on the bidding schedule. Payment shall be made on a progressive basis that is based on the percentage of work completed.

OPTION

Work described in the Option Bid Items involves constructing the new Perry Creek channel from the limits shown on Sheets G-15 and GP-3. This includes construction of the Bowling Alley Retaining Wall in the option. The Option

consists of bid items O-1 through O-16. If the Option is awarded it will be awarded as a whole, consisting of bid items O-1 through O-16. Option items are as follows:

PART 23 O-1 STONE FOR RIPRAP (RIPRAP TYPE A)

23.1 O-1 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing riprap as required by the drawings and specifications. Placement of compacted random backfill to construct the channel bottom above each riprap toe is considered to be incidental to the placement of the riprap.

23.2 O-1 Measurement

Per Ton. Riprap material will be measured for payment by the number of tons satisfactorily placed as specified. The riprap material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) riprap material may be weighed on Contractor-furnished scales under the supervision of the Government Inspector. Each printed weigh bill shall contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All riprap material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest hundredth of a ton.

23.3 O-1 Payment

Payment for "Stone for Riprap (Riprap Type A)" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 24 O-2 STONE FOR RIPRAP (RIPRAP TYPE C)

24.1 O-2 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing riprap as required by the drawings and specifications. Placement of compacted random backfill to construct the channel bottom above each riprap toe is considered to be incidental to the placement of the riprap.

24.2 O-2 Measurement

Per Ton. Riprap material will be measured for payment by the number of tons satisfactorily placed as specified. The riprap material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) riprap material may be weighed on Contractor-furnished scales under the supervision of the Government Inspector. Each printed weigh bill shall

contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All riprap material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest hundredth of a ton.

24.3 O-2 Payment

Payment for "Stone for Riprap (Riprap Type C)" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 25 O-3 STONE FOR RIPRAP (RIPRAP TYPE D)

25.1 O-3 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing riprap as required by the drawings and specifications. Placement of compacted random backfill to construct the channel bottom above each riprap toe is considered to be incidental to the placement of the riprap.

25.2 O-3 Measurement

Per Ton. Riprap material will be measured for payment by the number of tons satisfactorily placed as specified. The riprap material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) riprap material may be weighed on Contractor-furnished scales under the supervision of the Government Inspector. Each printed weigh bill shall contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All riprap material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest hundredth of a ton.

25.3 O-3 Payment

Payment for "Stone for Riprap (Riprap Type D)" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 26 O-4 SPALLS

26.1 O-4 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing spalls as required by the drawings and specifications.

26.2 O-4 Measurement

Per Ton. Spalls material will be measured for payment by the number of

tons satisfactorily placed as specified. The spalls material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) spalls material may be weighed on Contractor-furnished scales under the supervision of the Government Inspector. Each printed weigh bill shall contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All spalls material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest hundredth of a ton.

26.3 O-4 Payment

Payment for "Spalls" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 27 O-5 BEDDING FOR RIPRAP TYPE A

27.1 O-5 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing bedding material as required by the drawings and specifications.

27.2 O-5 Measurement

Per Ton. Bedding material will be measured for payment by the number of tons satisfactorily placed as specified. The bedding material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) bedding material may be weighed on Contractor-furnished scales under the supervision of the Government Inspector. Each printed weigh bill shall contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All bedding material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest hundredth of a ton.

27.3 O-5 Payment

Payment for "Bedding for Riprap Type A" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 28 O-6 BEDDING FOR RIPRAP TYPE C & D

28.1 O-6 Work Included

The work of this item shall include but not be limited to labor, equipment, materials, gradation testing, and performing all operations in connection with furnishing, transporting, and placing bedding material as required by

the drawings and specifications.

28.2 O-6 Measurement

Per Ton. Bedding material will be measured for payment by the number of tons satisfactorily placed as specified. The bedding material shall be weighed: (1) on public or private scales that have been certified by the State. The Contractor shall furnish the Government Inspector a copy of each printed weigh bill when self printing scales are used, or a copy signed by a public or bonded weighmaster as each load is delivered; or (2) bedding material may be weighed on Contractor-furnished scales under the supervision of the Government Inspector. Each printed weigh bill shall contain the following: date, unit number, gross weight, time of gross weight, tare weight, time of tare weight, name of project, contract number, name of Contractor and signature of weigher. All bedding material shall be weighed to the nearest 20 pounds and the net weight reduced to the nearest hundredth of a ton.

28.3 O-6 Payment

Payment for "Bedding for Riprap Type C & D" shall be based on the unit price per ton as indicated on the Bidding Schedule multiplied by the number of tons needed to complete the required work according to the drawings and specifications.

PART 29 O-7 EXCAVATION

29.1 O-7 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment, and labor necessary to complete excavation for the new Perry Creek channel as indicated in the specifications and shown on the drawings. Excavation includes the loading and hauling of the excavated materials to construction, stockpile, and disposal areas. The disposal of unsatisfactory material and surplus excavated material is considered incidental to the excavation work. Other excavation areas are not included in this bid item. Excavation beyond the grading limits shown for the channel construction for construction of storm drain & sewer structures shall be incidental to those structures and paid for under item "Entire Work Complete" for those structures. Excavation for placement of portland cement concrete pavement and for sidewalk & apron construction shall be paid for under the applicable "Entire Work Complete" item. Excavation for demolition work shall be paid for under item "All Remaining Work, for Contract Option Construction Based on Limits Indicated".

29.2 O-7 Measurement

Per Cubic Yard. Measured for payment using the average end area method from surveys taken. Initial surveys will be made of excavation areas. Measurement of excavation will include the total volume of material computed by the average end area method between the surfaces established by initial survey of the ground surface prior to authorized excavation operations, and the surfaces of completed excavation as approved. The measurement will not include without authorization the yardage of material excavated beyond the normal slopes and lines or the yardage of material used for purposes other than those shown or directed. The measurement of excavation will not include excavation of water or other liquid, but will include excavation of mud, muck, or similar semisolid material that had not been disturbed by the Contractor and cannot be drained away. The

measurement of excavation will also include overbreakage due to slides which were not caused by the carelessness of the Contractor, and authorized excavation of unsuitable foundation soils.

29.3 O-7 Payment

Payment for "Excavation" shall be based on the unit price per cubic yard as indicated on the Bidding Schedule, times the number of cubic yards of excavated material.

PART 30 O-8 COMPACTED RANDOM BACKFILL

30.1 O-8 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment, and labor necessary to complete compacted random backfill areas for the new Perry Creek channel as indicated in the specifications and shown on the drawings. Compacted random backfill includes hauling from stockpile locations, spreading, compaction, water for compaction, and all other necessary operations to shape and build the compacted random backfill areas as shown on the drawings and specified. Other compacted random backfill areas are not included in this bid item. Placement of compacted random backfill beyond the grading limits shown for the channel construction for construction of storm drain & sewer structures shall be incidental to those structures and paid for under item "Entire Work Complete" for those structures. Placement of compacted random backfill for portland cement concrete pavement construction and for sidewalk & apron construction shall be paid for under the applicable "Entire Work Complete" item. Compacted random backfill for demolition work shall be paid for under item "All Remaining Work, for Contract Option Construction Based on Limits Indicated."

30.2 O-8 Measurement

Per Cubic Yard. Measured for payment using the average end area method from surveys taken. Initial surveys will be made of all compacted random backfill areas. Measurement of compacted random backfill will include the total volume of material computed by the average end area method between the surfaces established by initial survey of the ground surface prior to compacted random backfill placement and again after compacted random backfill operations are completed to the finished lines and grades as shown on the drawings. The measurement will not include the yardage of material placed without authorization beyond the normal slopes and lines or the yardage of material used for purposes other than those shown or directed.

30.3 O-8 Payment

Payment for "Compacted Random Backfill" shall be based on the unit price per cubic yard as indicated on the Bidding Schedule, times the number of cubic yards placed.

PART 31 O-9 ENTIRE WORK COMPLETE, FOR RETAINING WALL AT BOWLING ALLEY

31.1 O-9 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to construct the Retaining Wall at Bowling Alley as indicated in the specifications and shown on the drawings.

31.2 O-9 Measurement

Lump sum.

31.3 O-9 Payment

Payment for "Entire Work Complete, for Retaining Wall at Bowling Alley" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 32 O-10 ENTIRE WORK COMPLETE, FOR DEFORMATION SURVEYS/MONITORING
(SPECIFICATION SECTION 02011)

32.1 O-10 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to complete the required deformation surveys and monitoring as indicated in Section 02011 of the specifications.

32.2 O-10 Measurement

Lump sum.

32.3 O-10 Payment

Payment for "Entire Work Complete, for Deformation Surveys/Monitoring" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 33 O-11 ENTIRE WORK COMPLETE, FOR STORM DRAINS
(SHTS. C7.07 & C7.08 PROFILE LINES 45-47, & 49 AND SHT. C7.11
PROFILES P-027 THRU P-029)

33.1 O-11 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to construct the storm drainage pipes and outlet structures, flap gates, timber piling, fabricated metals and appurtenant parts, control of water, removals, hydrostatic testing, joint testing, and incidental operation necessary to construct the complete drainage structure units according to the specifications and drawings (Shts. C7.07 & C7.08 Profile Lines 45-47, & 49 and Sht. C7.11 Profiles P-027 thru P-029). The work for this item does not include furnishing and installing riprap, spalls, and bedding. Costs for these items shall be included in the applicable price per ton of bid items Nos. O-1 thru O-6. The work for this item also does not include storm drainage pipe that are, in general, located outside the new Perry Creek channel limits. Costs for furnishing and installing pipe, area inlets or curb inlets, etc. located outside of the new Perry Creek channel limits, shall be included in the lump sum price of bid item No. O-12, "Entire Work Complete, for Storm Sewers." Excavation and backfill beyond that required for the new Perry Creek channel as shown on the drawings for construction of storm drains shall be incidental to construction of the storm drains and paid for under this bid item.

33.2 O-11 Measurement

Lump sum.

33.3 O-11 Payment

Payment for "Entire Work Complete, for Storm Drains" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 34 O-12 ENTIRE WORK COMPLETE, FOR STORM SEWERS
(SHT. C7.11 PROFILES P-018 THRU P-026)

34.1 O-12 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to construct the storm sewers as indicated in the specifications and shown on the drawings (Sht. C7.11 Profiles P-018 thru P-026). Costs for furnishing and installation of storm drainage pipes, flap gates, timber piling, etc., which are generally located inside the new Perry Creek channel limits, shall be included in the lump sum price of bid item No. O-11, "Entire Work Complete, for Storm Drains."

34.2 O-12 Measurement

Lump sum.

34.3 O-12 Payment

Payment for "Entire Work Complete, for Storm Sewers" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 35 O-13 ENTIRE WORK COMPLETE, FOR PORTLAND CEMENT CONCRETE PAVEMENT

35.1 O-13 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to construct portland cement concrete pavement, including all incidental and customarily performed work necessary for formwork, placing, and curing concrete pavement, as indicated in the specifications and shown on the drawings. The work for this item includes subgrade preparation for the portland cement concrete pavement. The work for this item does not include furnishing and installing area inlets and curb inlets. Costs for these items shall be included in the lump sum price of bid items Nos. O-11 and O-12.

35.2 O-13 Measurement

Lump sum.

35.3 O-13 Payment

Payment for "Entire Work Complete, for Portland Cement Concrete Pavement" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 36 O-14 ENTIRE WORK COMPLETE, FOR TRAFFIC SIGNS AND PAVEMENT MARKINGS

36.1 O-14 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary to install permanent traffic signs

and pavement markings, as indicated in the specifications and shown on the drawings.

36.2 O-14 Measurement

Lump sum.

36.3 O-14 Payment

Payment for "Entire Work Complete, for Traffic Signs and Pavement Markings" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 37 O-15 ENTIRE WORK COMPLETE, FOR SIDEWALKS AND APRONS

37.1 O-15 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor necessary for construction of sidewalks and aprons, including all incidental and customarily performed work necessary for providing proper surface water drainage at sidewalks and aprons and all incidental and customarily performed work necessary for formwork, placing, and curing concrete, as indicated in the specifications and shown on the drawings.

37.2 O-15 Measurement

Lump sum.

37.3 O-15 Payment

Payment for "Entire Work Complete, for Sidewalks and Aprons" shall be lump sum bid, on a progressive basis, based on the percentage of work completed.

PART 38 O-16 ALL REMAINING WORK
(FOR CONTRACT OPTION CONSTRUCTION BASED ON LIMITS INDICATED)

38.1 O-16 Work Included

The work of this item shall include but not be limited to furnishing all materials, equipment and labor needed to complete all remaining work not covered under the option bid items No. O-1 thru No. O-15. All remaining work shall include specified work related to clearing & grubbing, removal of pavement and sidewalks, demolition of building foundations, removal of abandoned utilities, construction of berm between Bowling Alley and Market Place retaining walls, installation berm protection material, care of water, dewatering of subsurface soils to allow for and to maintain the integrity of the excavation, stripping and stockpiling topsoil, topsoil placement, seeding & mulching, compacted embankment, installation of turf reinforcement mat, construction of Stone Park Blvd. road raise, planting trees and shrubs, channel cleanout, disposal of materials, traffic control, construction of concrete revetment with storm drain headwall, fencing & guard rail installation, and any other work indicated in the specifications or shown on the drawings not included on the Bidding Schedule in bid items No. O-1 thru No. O-15.

38.2 O-16 Measurement

Lump sum.

38.3 O-16 Payment

Payment for "All Remaining Work, for Contract Option Construction Based on Limits Indicated" shall be the lump sum of the amount indicated for bid item No. O-16 on the bidding schedule. Payment shall be made on a progressive basis that is based on the percentage of work completed.

-- End of Section --